
Rust Usage

Results

Survey 417611

Number of records in this query:	1360
Total records in survey:	1360
Percentage of total:	100.00%

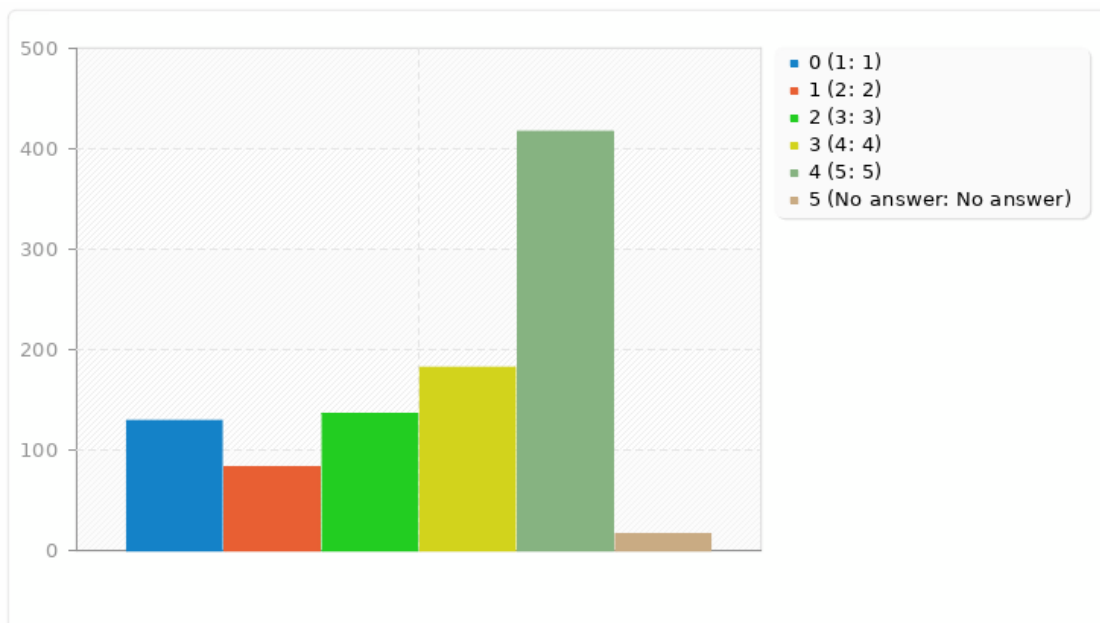
Summary for G01Q09

Rust is important to my work or projects (1 disagree - 5 agree)

Answer	Count	Percentage	Sum
1 (1)	129	9.60%	15.77%
2 (2)	83	6.18%	
3 (3)	136	10.12%	10.12%
4 (4)	182	13.54%	
5 (5)	417	31.03%	44.57%
No answer	16	1.18%	0.00%
Arithmetic mean	3.71		
Standard deviation	1.44		
Sum (Answers)	947	100.00%	100.00%
Number of cases		0%	

Summary for G01Q09

Rust is important to my work or projects (1 disagree - 5 agree)



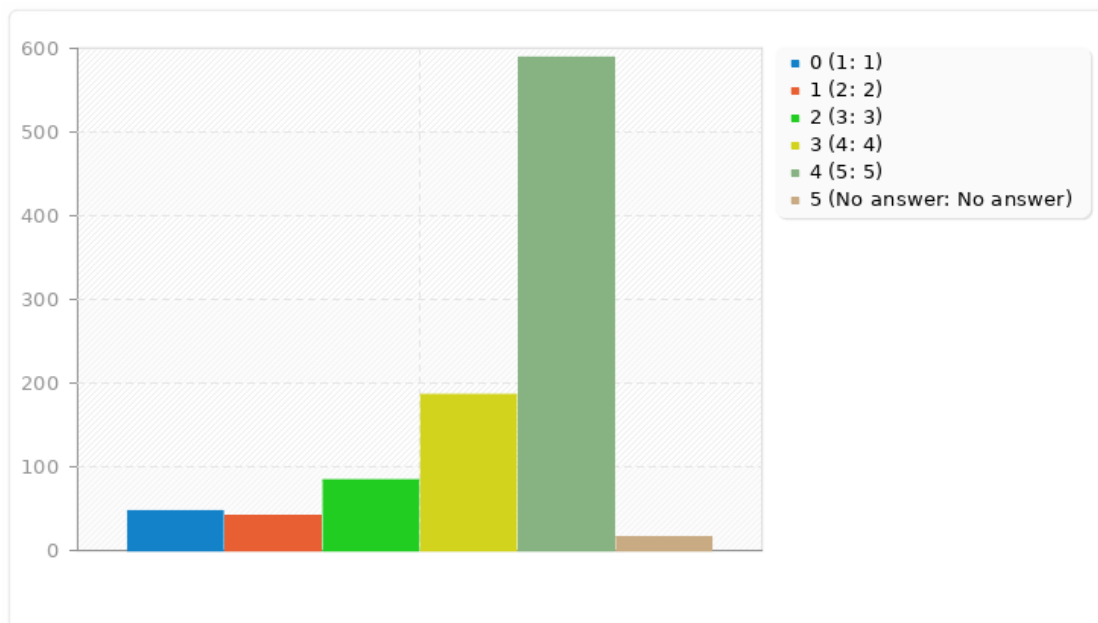
Summary for G01Q11

Rust will become more important in my work or projects in the future. (1 disagree - 5 agree)

Answer	Count	Percentage	Sum
1 (1)	47	3.50%	6.55%
2 (2)	41	3.05%	
3 (3)	84	6.25%	6.25%
4 (4)	186	13.84%	
5 (5)	589	43.82%	57.66%
No answer	16	1.18%	0.00%
Arithmetic mean	4.3		
Standard deviation	1.11		
Sum (Answers)	947	100.00%	100.00%
Number of cases		0%	

Summary for G01Q11

Rust will become more important in my work or projects in the future. (1 disagree - 5 agree)



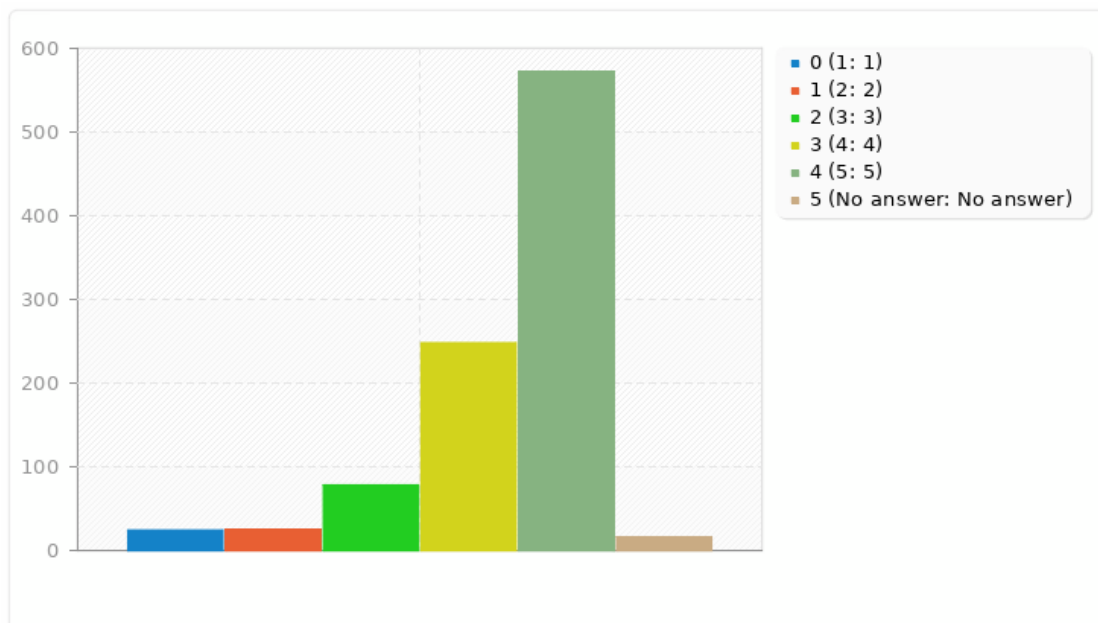
Summary for G01Q10

Rust will become more important to other developers and projects in the future (1 disagree - 5 agree)

Answer	Count	Percentage	Sum
1 (1)	24	1.79%	3.65%
2 (2)	25	1.86%	
3 (3)	78	5.80%	5.80%
4 (4)	248	18.45%	
5 (5)	572	42.56%	61.01%
No answer	16	1.18%	0.00%
Arithmetic mean	4.39		
Standard deviation	0.93		
Sum (Answers)	947	100.00%	100.00%
Number of cases		0%	

Summary for G01Q10

Rust will become more important to other developers and projects in the future (1 disagree - 5 agree)



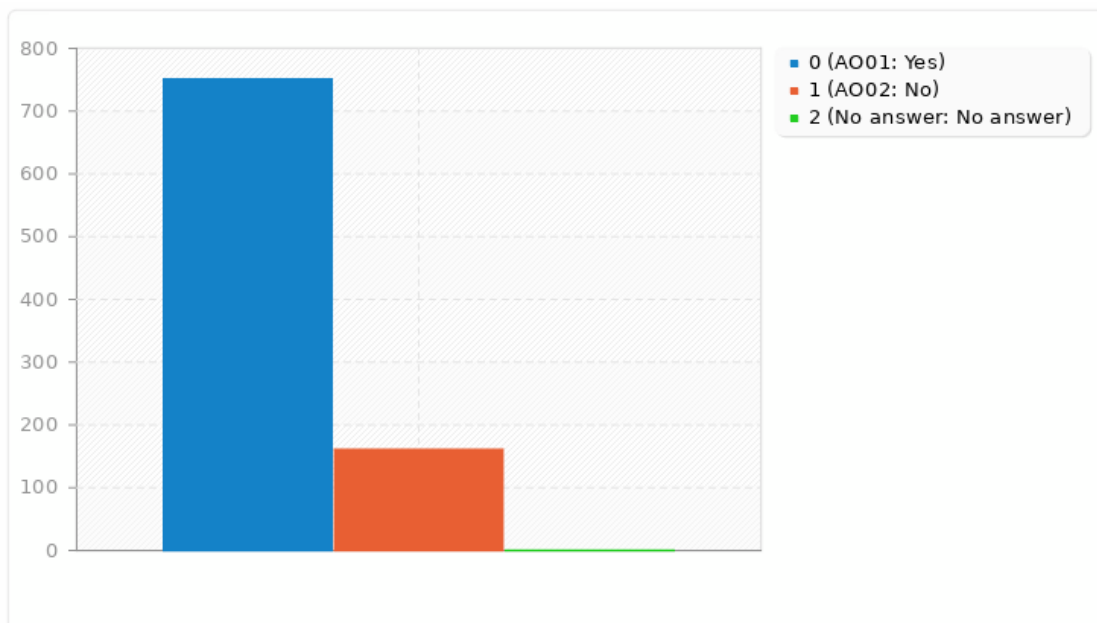
Summary for G01Q08

I develop software using Rust

Answer	Count	Percentage
Yes (AO01)	751	82.35%
No (AO02)	161	17.65%
No answer	0	0.00%

Summary for G01Q08

I develop software using Rust



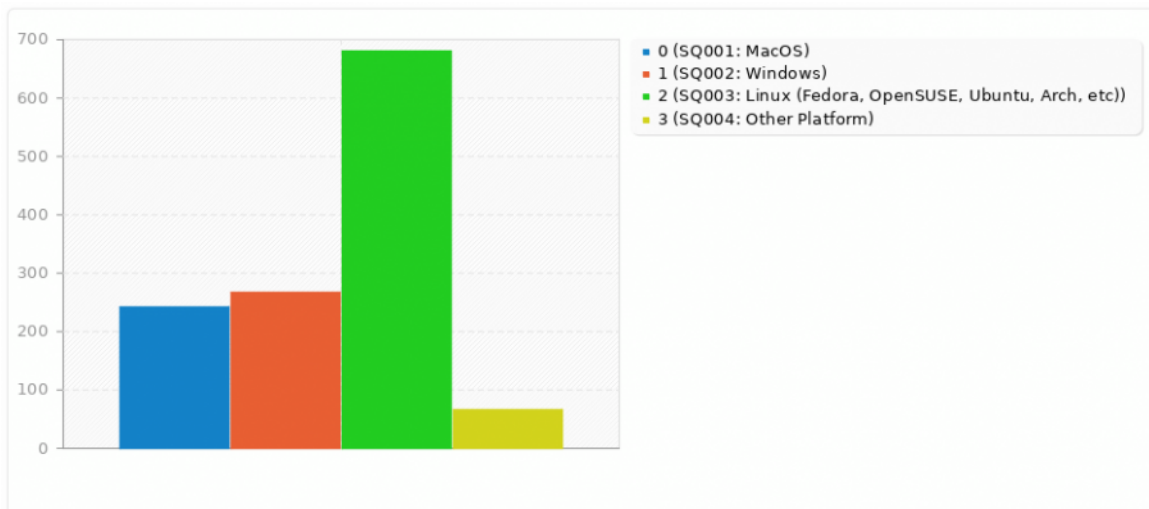
Summary for G01Q02

As a developer, I use Rust on the following platforms while programming. Choose all that apply.

Answer	Count	Percentage
MacOS (SQ001)	242	32.22%
Windows (SQ002)	267	35.55%
Linux (Fedora, OpenSUSE, Ubuntu, Arch, etc) (SQ003)	680	90.55%
Other Platform (SQ004)	66	8.79%

Summary for G01Q02

As a developer, I use Rust on the following platforms while programming. Choose all that apply.



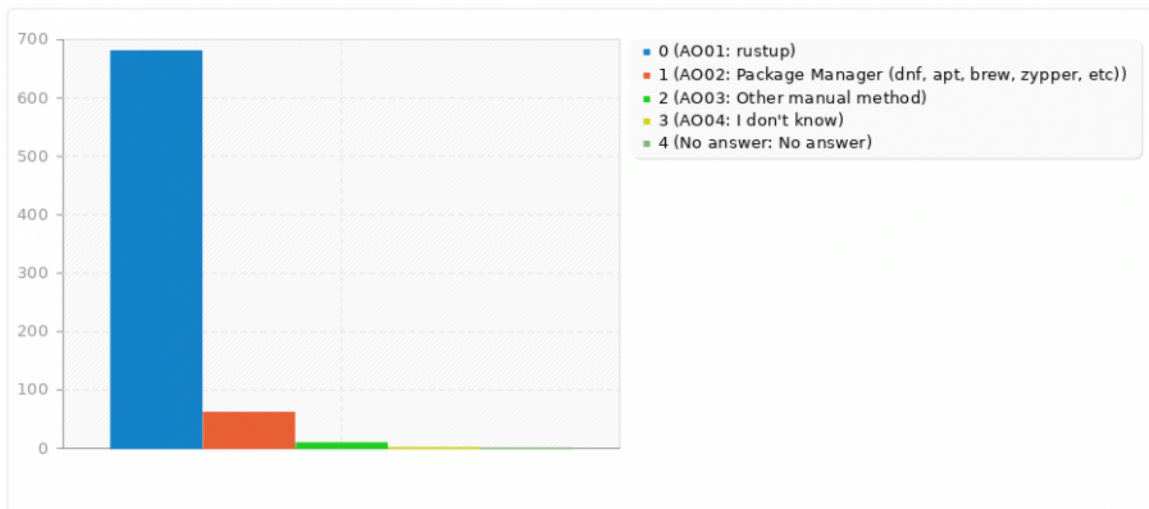
Summary for G01Q04

On your primary development platform, how did you install your Rust toolchain?

Answer	Count	Percentage
rustup (AO01)	680	90.55%
Package Manager (dnf, apt, brew, zypper, etc) (AO02)	61	8.12%
Other manual method (AO03)	9	1.20%
I don't know (AO04)	1	0.13%
No answer	0	0.00%

Summary for G01Q04

On your primary development platform, how did you install your Rust toolchain?



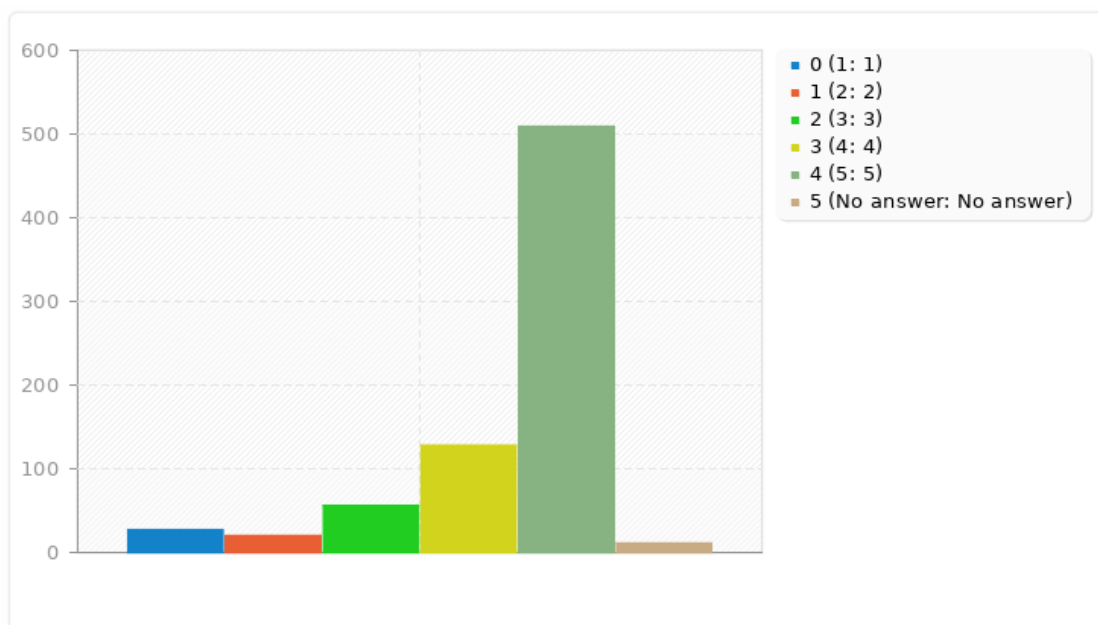
Summary for G01Q03(SQ001)[Integrated Development Environments with Language Features (syntax highlight, errors, completion, type checking)]

The following features or tools are important in my development environment (do not use 1 - use a lot 5).

Answer	Count	Percentage	Sum
1 (1)	27	2.00%	3.48%
2 (2)	20	1.48%	
3 (3)	56	4.15%	4.15%
4 (4)	128	9.49%	
5 (5)	509	37.73%	47.22%
No answer	11	0.81%	0.00%
Arithmetic mean	4.45		
Standard deviation	1		
Sum (Answers)	740	100.00%	100.00%
Number of cases		0%	

Summary for G01Q03(SQ001)[Integrated Development Environments with Language Features (syntax highlight, errors, completion, type checking)]

The following features or tools are important in my development environment (do not use 1 - use a lot 5).



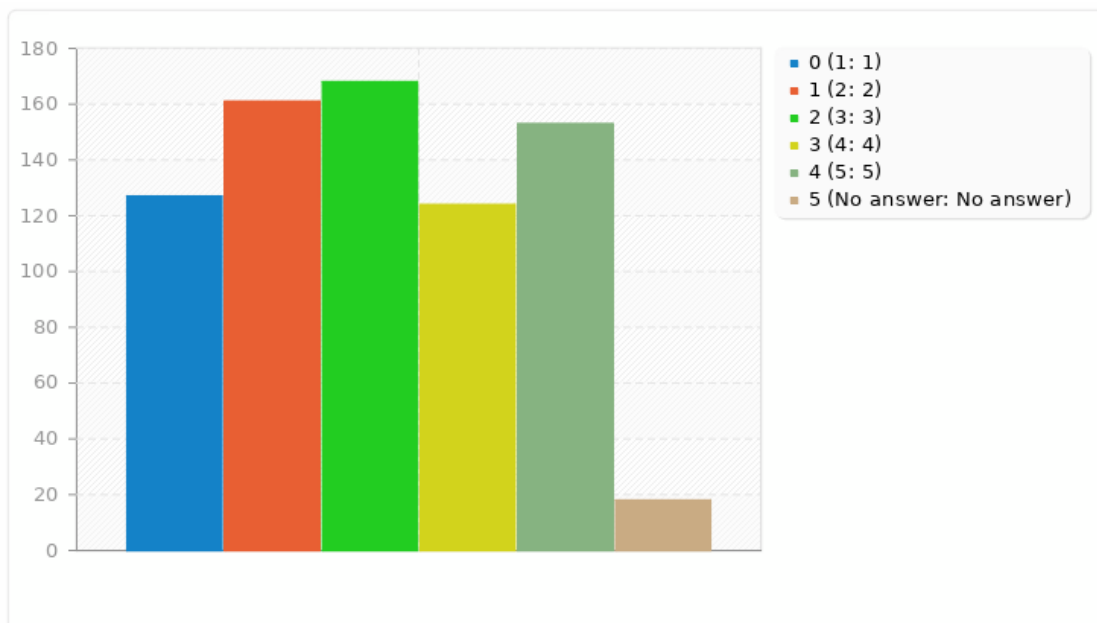
Summary for G01Q03(SQ002)[Debugging tools (lldb, gdb)]

The following features or tools are important in my development environment (do not use 1 - use a lot 5).

Answer	Count	Percentage	Sum
1 (1)	127	9.46%	21.46%
2 (2)	161	12.00%	
3 (3)	168	12.52%	12.52%
4 (4)	124	9.24%	
5 (5)	153	11.40%	20.64%
No answer	18	1.32%	0.00%
Arithmetic mean	3.02		
Standard deviation	1.39		
Sum (Answers)	733	100.00%	100.00%
Number of cases		0%	

Summary for G01Q03(SQ002)[Debugging tools (lldb, gdb)]

The following features or tools are important in my development environment (do not use 1 - use a lot 5).



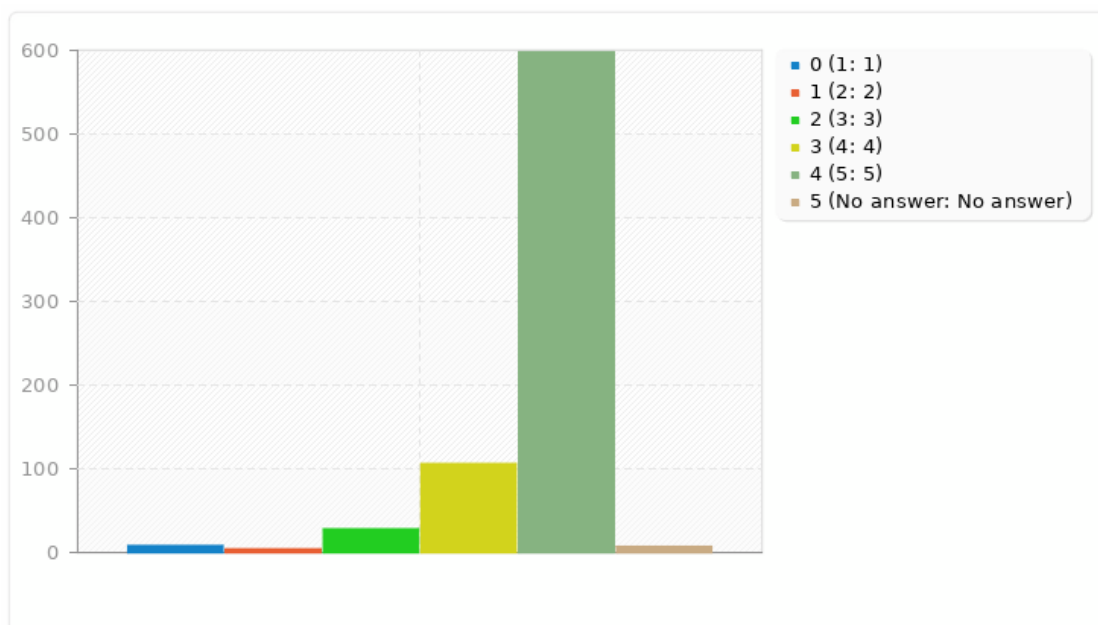
Summary for G01Q03(SQ003)[Online Documentation (doc.rust-lang.org, docs.rs)]

The following features or tools are important in my development environment (do not use 1 - use a lot 5).

Answer	Count	Percentage	Sum
1 (1)	8	0.59%	0.89%
2 (2)	4	0.30%	
3 (3)	28	2.07%	2.07%
4 (4)	106	7.83%	
5 (5)	598	44.20%	52.03%
No answer	7	0.51%	0.00%
Arithmetic mean	4.72		
Standard deviation	0.66		
Sum (Answers)	744	100.00%	100.00%
Number of cases		0%	

Summary for G01Q03(SQ003)[Online Documentation (doc.rust-lang.org, docs.rs)]

The following features or tools are important in my development environment (do not use 1 - use a lot 5).



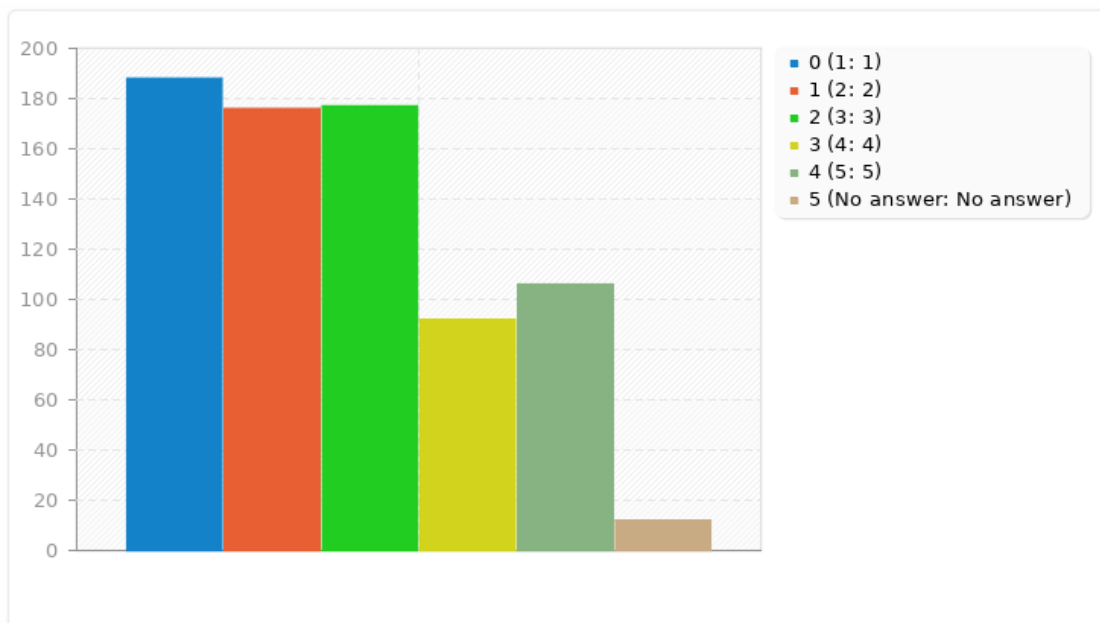
Summary for G01Q03(SQ004)[Offline Documentation (local)]

The following features or tools are important in my development environment (do not use 1 - use a lot 5).

Answer	Count	Percentage	Sum
1 (1)	188	13.95%	27.00%
2 (2)	176	13.06%	
3 (3)	177	13.13%	13.13%
4 (4)	92	6.82%	
5 (5)	106	7.86%	14.69%
No answer	12	0.88%	0.00%
Arithmetic mean	2.66		
Standard deviation	1.36		
Sum (Answers)	739	100.00%	100.00%
Number of cases		0%	

Summary for G01Q03(SQ004)[Offline Documentation (local)]

The following features or tools are important in my development environment (do not use 1 - use a lot 5).



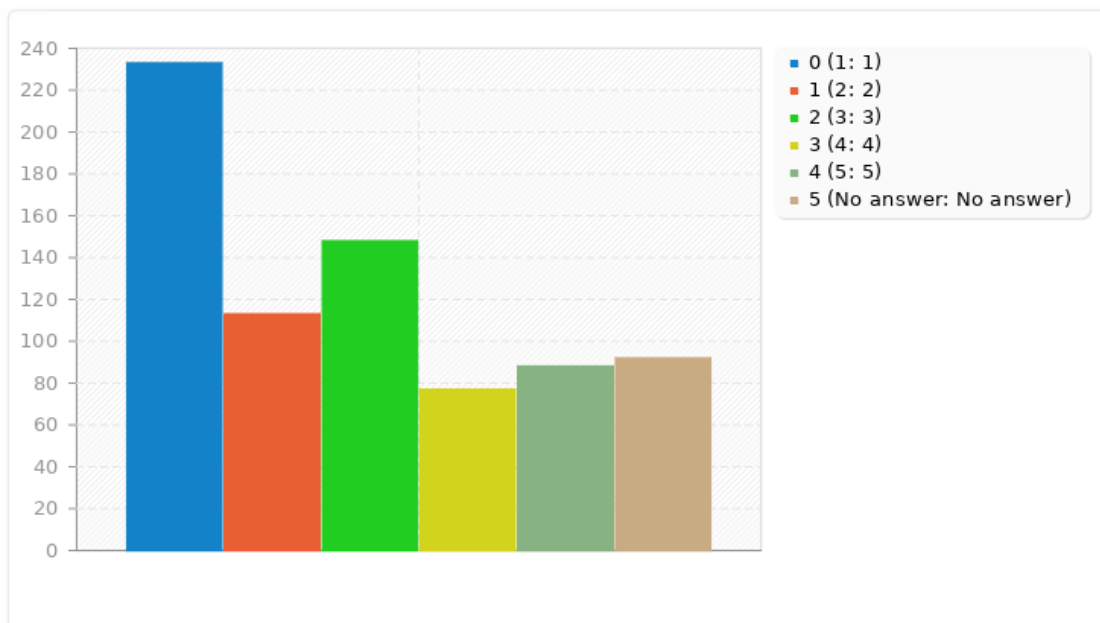
Summary for G01Q03(SQ005)[Build Caching (sccache)]

The following features or tools are important in my development environment (do not use 1 - use a lot 5).

Answer	Count	Percentage	Sum
1 (1)	233	18.38%	27.29%
2 (2)	113	8.91%	
3 (3)	148	11.67%	11.67%
4 (4)	77	6.07%	
5 (5)	88	6.94%	13.01%
No answer	92	6.76%	0.00%
Arithmetic mean	2.51		
Standard deviation	1.41		
Sum (Answers)	659	100.00%	100.00%
Number of cases		0%	

Summary for G01Q03(SQ005)[Build Caching (sccache)]

The following features or tools are important in my development environment (do not use 1 - use a lot 5).



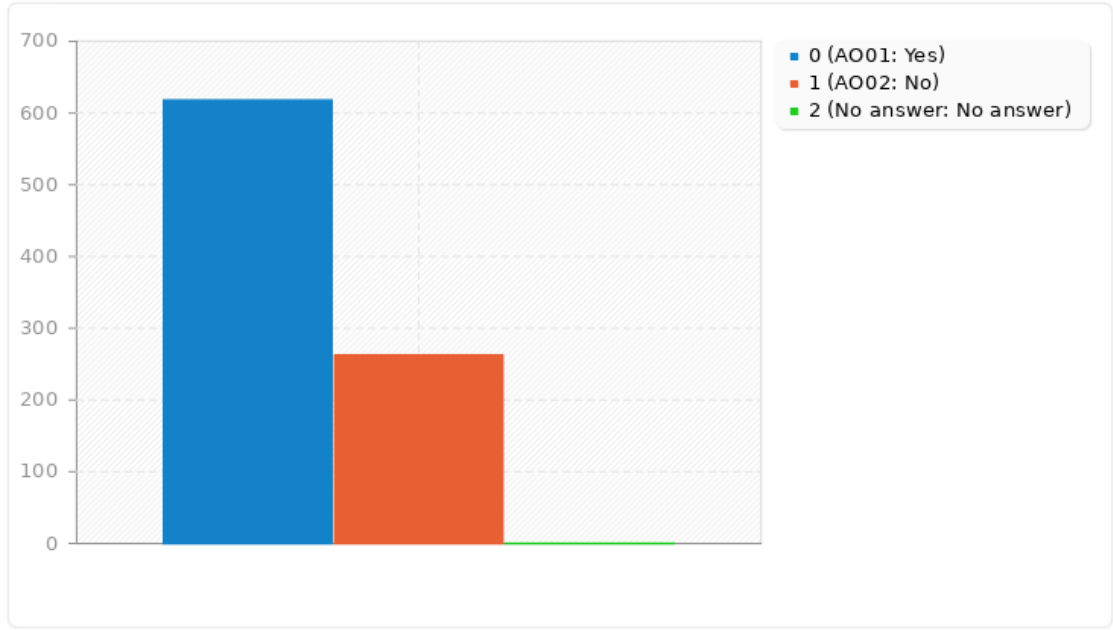
Summary for G03Q13

Do you run, provide, distribute or deploy Rust software?

Answer	Count	Percentage
Yes (AO01)	618	70.23%
No (AO02)	262	29.77%
No answer	0	0.00%

Summary for G03Q13

Do you run, provide, distribute or deploy Rust software?



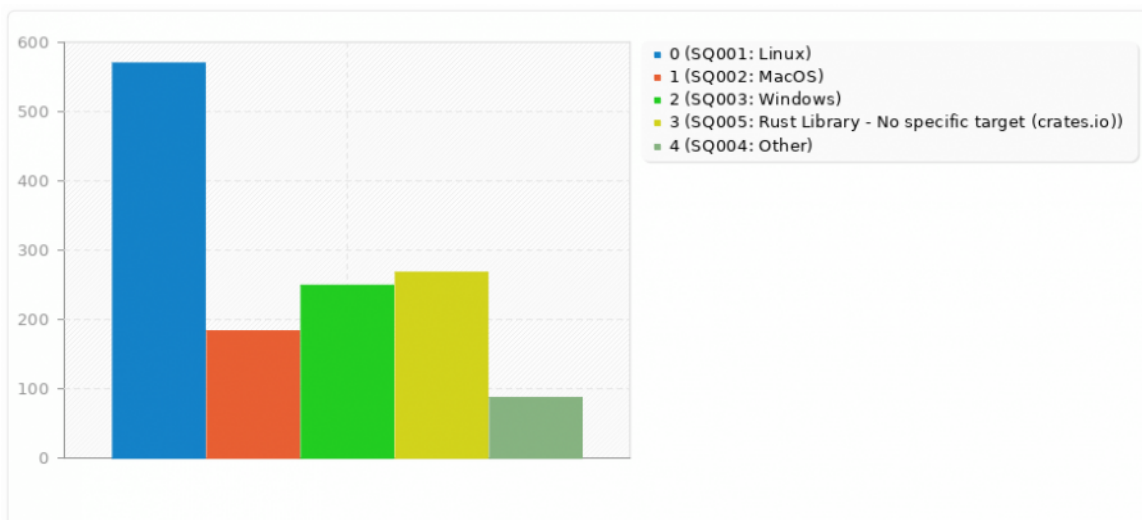
Summary for G02Q08

Which platforms (operating systems) do you target for Rust software. Check all that apply.

Answer	Count	Percentage
Linux (SQ001)	570	92.23%
MacOS (SQ002)	183	29.61%
Windows (SQ003)	249	40.29%
Rust Library - No specific target (crates.io) (SQ005)	268	43.37%
Other (SQ004)	87	14.08%

Summary for G02Q08

Which platforms (operating systems) do you target for Rust software. Check all that apply.



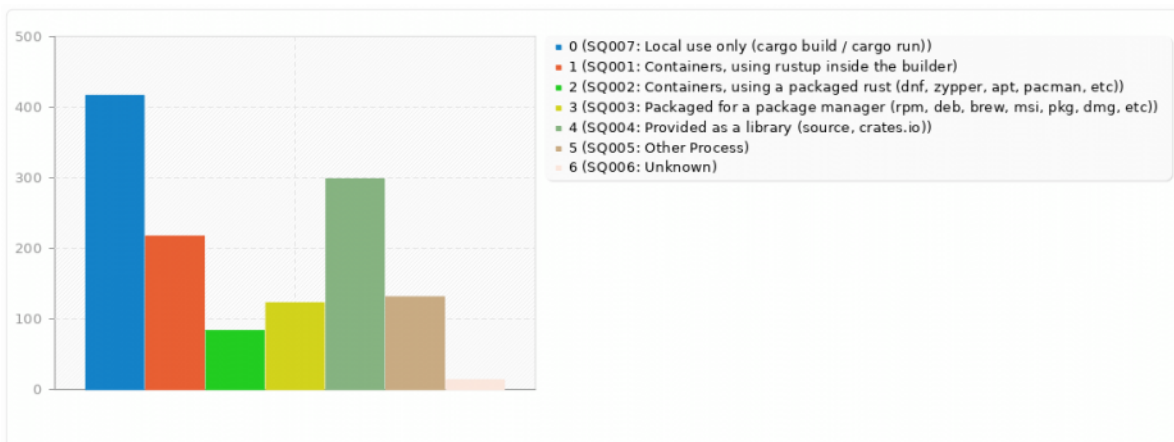
Summary for G02Q05

How do you or your team/community build or provide Rust software for people to use? Think about your build pipeline or deployment processes for this question.

Answer	Count	Percentage
Local use only (cargo build / cargo run) (SQ007)	416	67.31%
Containers, using rustup inside the builder (SQ001)	217	35.11%
Containers, using a packaged rust (dnf, zypper, apt, pacman, etc) (SQ002)	83	13.43%
Packaged for a package manager (rpm, deb, brew, msi, pkg, dmg, etc) (SQ003)	122	19.74%
Provided as a library (source, crates.io) (SQ004)	298	48.22%
Other Process (SQ005)	131	21.20%
Unknown (SQ006)	13	2.10%

Summary for G02Q05

How do you or your team/community build or provide Rust software for people to use? Think about your build pipeline or deployment processes for this question.



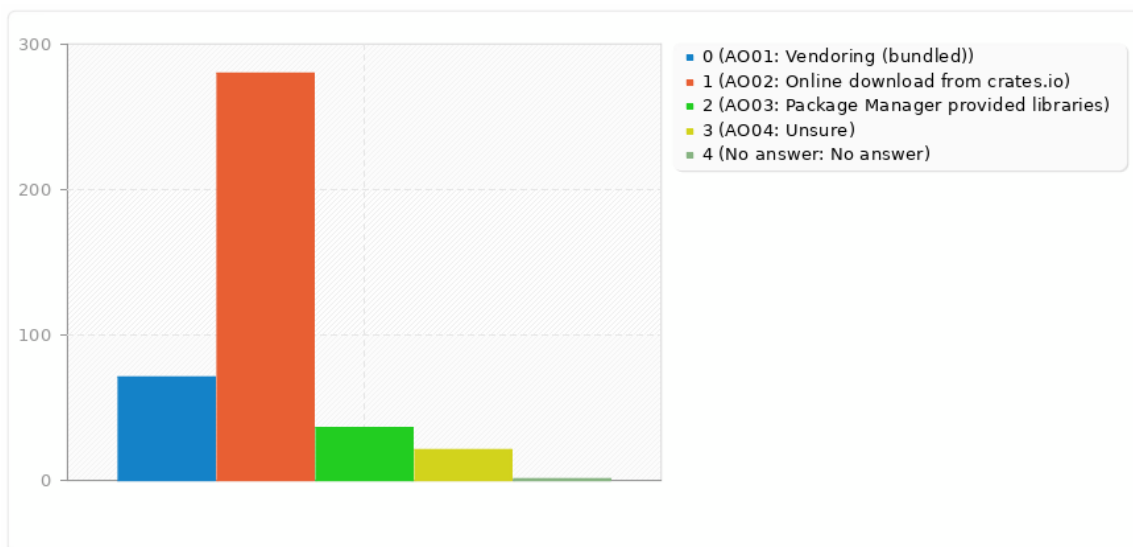
Summary for G02Q06

In your release process, how do you manage your Rust dependencies?

Answer	Count	Percentage
Vendoring (bundled) (AO01)	71	17.36%
Online download from crates.io (AO02)	280	68.46%
Package Manager provided libraries (AO03)	36	8.80%
Unsure (AO04)	21	5.13%
No answer	1	0.24%

Summary for G02Q06

In your release process, how do you manage your Rust dependencies?



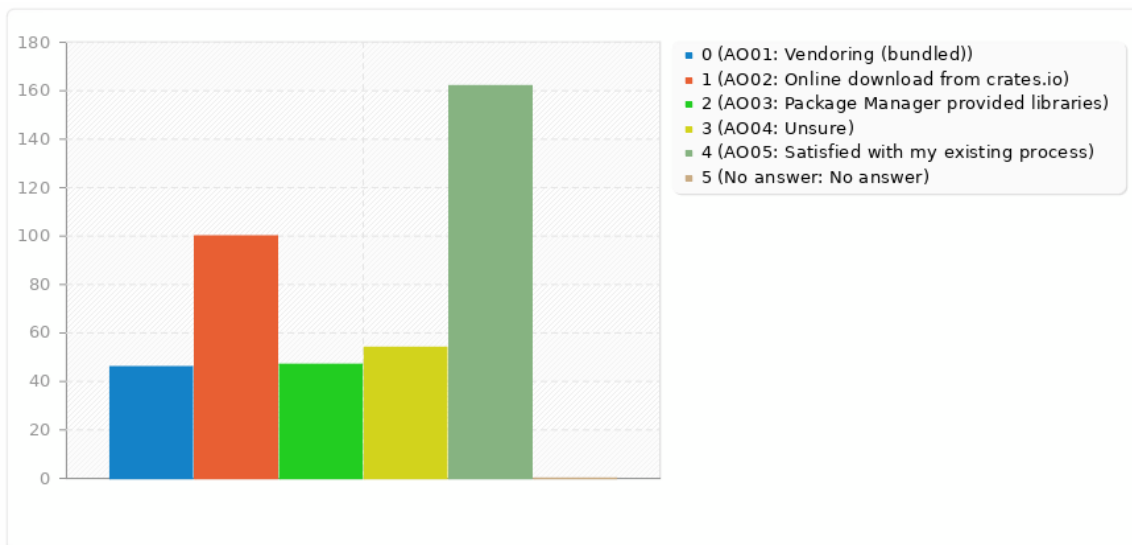
Summary for G02Q09

In your ideal workflow, how would you prefer to manager your Rust dependencies?

Answer	Count	Percentage
Vendoring (bundled) (AO01)	46	11.25%
Online download from crates.io (AO02)	100	24.45%
Package Manager provided libraries (AO03)	47	11.49%
Unsure (AO04)	54	13.20%
Satisfied with my existing process (AO05)	162	39.61%
No answer	0	0.00%

Summary for G02Q09

In your ideal workflow, how would you prefer to manager your Rust dependencies?



Summary for G02Q07

How do you manage security updates in your Rust dependencies?

Answer	Count	Percentage
Security scanners (e.g. cargo audit) (SQ001)	255	50.90%
Frequent update of all dependencies (e.g. cargo outdated) (SQ002)	316	63.07%
Don't actively follow security issues in dependencies (SQ003)	126	25.15%
Rely on external source to manage (ie distribution packaged rust libraries) (SQ004)	40	7.98%
Unknown (SQ005)	30	5.99%

Summary for G02Q07

How do you manage security updates in your Rust dependencies?

